

NEW YORK - JUN 30 1851 - SHREVE

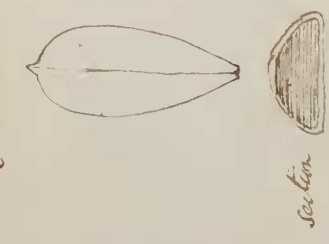
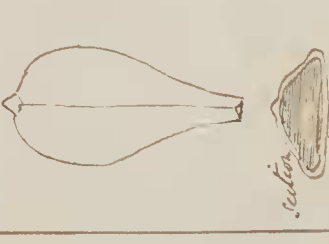
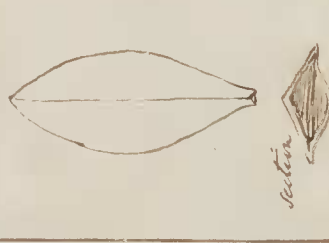
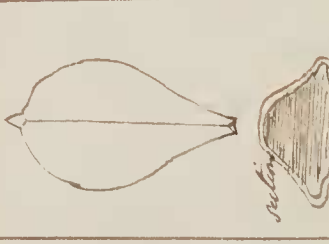
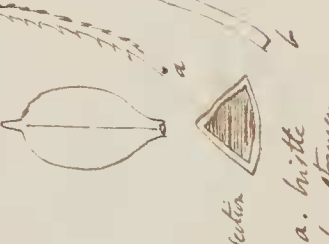
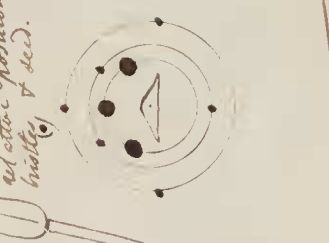

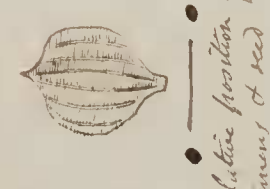
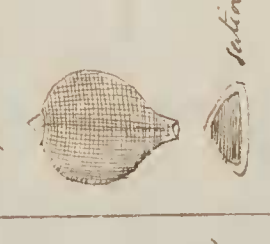
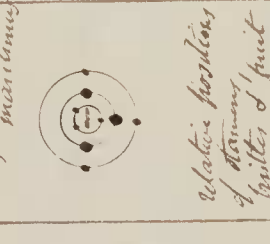

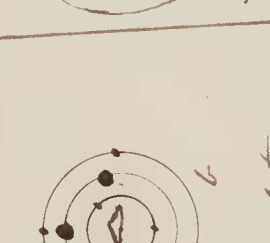

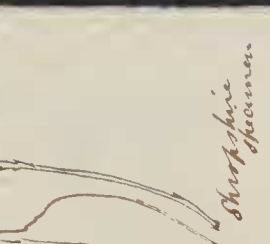
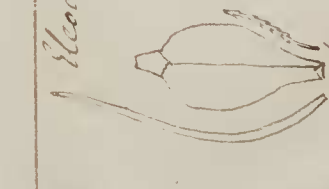

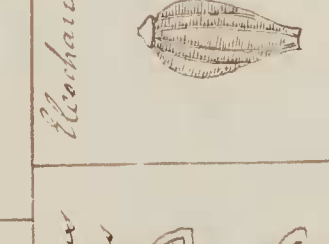
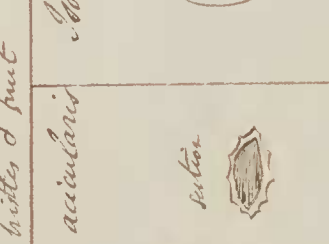
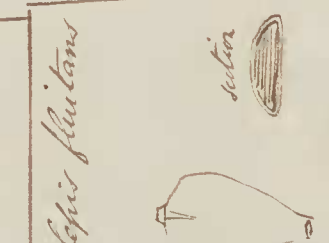
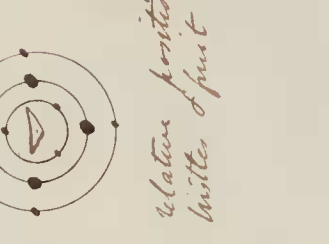
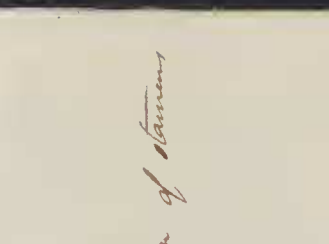
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BR

D^r Asa Gray
to the care of D^r Torrey
New York
United States of America



H. R. Wright

<i>Scrophularium polytachon</i>		section
<i>Scrophularium puberulum</i>		section
<i>Scrophularium angustifolium</i>		section
<i>Scrophularium vaginatum</i>		section
<i>Scrophularium sylvaticum</i>		section a. bristle b. stamen
<i>Scrophularium</i>		section
		the diagram showing the relative position of stamens & bristles (A)
<i>Sisyrinchium setaceum</i>		relative position of stamens & seed
<i>Sisyrinchium Savii</i>		section
<i>Sisyrinchium maritimum</i>		relative position of stamens & bristles
<i>Eleocharis setacea</i>		a. bristle b. relative position of stamens & bristles
<i>Eleocharis multicaulis</i>		section
<i>Eleocharis acicularis</i>		section
<i>Eleocharis pumilio</i>		relative position of stamens & bristles
<i>Eleocharis caroliniana</i>		section
<i>Eleocharis pumilio</i>		section
<i>Eleocharis acicularis</i>		section
<i>Eleocharis pumilio</i>		section
<i>Eleocharis pumilio</i>		section
<i>Eleocharis pumilio</i>		section
<i>Eleocharis pumilio</i>		relative position of stamens & bristles

Shrewsbury. June 10. 1836.

Sir / Allow me to return you my most cordial thanks for your valuable work on the *Rhynchospora* of North America. which I safely received a few days ago. and of the preparation of which I had heard from Dr. Hooker of Glasgow. It is with a little participation that I receive this testimony from one so eminent in the paths of science that my poor labours in a similar field are appreciated. From an expression in the preface to the Monograph relative to the want of a skilful investigation and arrangement of the Cyperaceae I cannot but conclude that you who have so preciously earned your competence for the task will undertake a labour so much wanted and so sure to receive the approbation and gratitude of botanical students. Trusting my conjecture may be correct I have taken the liberty of sending above such drawings of the fruit of the Cyperaceae as I at present possess with the hope that if not too few they will at least be pleasing to you. I should however have that they were made from dried not living specimens which perhaps may possibly cause some trifling alterations in the form. I believe them however to be tolerably accurate. The nomenclature is that of Hooker's

British Flora. The 3 species of *Eriophorum* *polytachion*, *pubescens* (or rather *latifolium* of Schrader which it undoubtedly is since the partial stalks are covered with appressed bristles) and *angustifolium* which have hitherto been sadly deficient in good characteristic distinctions will if my observations be correct, be clearly distinguished. I would propose the following as specific names:

E. polytachion Linn. - stem obscurely triangular leaves lanceolate flat, contracted above the middle into a triangular scarious point, stalks of the spikes smooth, fruit linear-obovate, trigonous, angles obscure, dark brown, interruptedly striated, hairs twice thrice the length of the spikes.

E. latifolium (Schrader) *E. pubescens* (Smith) - stem angular upwards, leaves flat lanceolate, contracted into a triangular point, stalks of the spikes covered with minute, rigid, appressed bristles, hairs twice the length of the spikes, fruit pyriform, triangular, angles prominent, tawny, covered with very minute imbricated dots in longitudinal rows.

E. angustifolium Roth. - stem nearly round, leaves linear-lanceolate, contracted & triangular at the point, stalks of the spikes smooth, hairs four times the length of the spike, fruit elliptical acuminate, dark brown, triangular, angles prominent acute & light brown, interruptedly striated.

The fruit of *E. vaginatum* is covered with minutely elevated points into longitudinal rows.

Scirpus sylvaticus - fruit obovate, triangular, covered with minute slightly elevated points, bristles 6. with deflexed teeth.

Scirpus Lavinii - fruit obscurely triangular, stigmas 3.

Glechoma acicularis fruit narrow obovate longitudinally ribbed transversely striated.

Glechoma parviflora - fruit longitudinally striated with minutely dotted lines.

Solepis plantans - fruit minutely granulated.

The above appear to be the points in which these species differ from Hooker's descriptions.

I am preparing drawings from living specimens of the fruit and calyx-scales of the Carices which grow in this neighbourhood which I will gladly transmit to you when completed should you desire it or think they would prove interesting to you. They are intended for a work which I have in preparation on the Flora of Shropshire. This County is particularly fertile in a botanical point of view. I have

already been fortunate enough to ascertain the localities of upwards of 850 species of the flowering plants of which 650 grow in the immediate vicinity of this town (Shrewsbury). In this number no varieties and of course none of the Cryptogamii tribes are included.

If agreeable I should have great pleasure in entering into an interchange of the plants of Great Britain particularly those of Shropshire for those of North America. Should this arrangement be agreeable to you I will on receiving a packet of plants which may be addressed to me at Shrewsbury, and a letter signifying your wish to effect an exchange, immediately return you a similar packet of our botanical productions on learning from you the proper address and the best mode of conveyance. It would be desirable to have a catalogue marked by you of such plants as are natives of this country which are not found in N. America as it would guide me much in my selection of those which would be the rarer and more acceptable to yourself.

Believe me with sincere esteem and respect

Very faithfully yours.

Wm. Allport Leighton

P. S. Be pleased to address

Wm. Allport Leighton

Shrewsbury

Shropshire

England

Dr. Asa Gray.